

Application No.: 09/839,664
Response to OA of 04/05/06

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Amendments to the Claims

This listing of claims will replace all prior versions and listings of the claims:

1. (currently amended) A method of validating an e-ticket, comprising the steps of:
 - a) sending the e-ticket from an initial receiving server S_i to a plurality of servers including S_i , wherein each server returns an answer indicative of whether that server previously answered an inquiry for the e-ticket;
 - b) collecting the identities of the answering servers in an answer set;
 - c) broadcasting the e-ticket and the answer set to the plurality of servers, if at least one server previously answered an inquiry for the e-ticket; and
 - d) collecting the identity of any server S_k broadcasting the e-ticket and an associated answer set in a second answer set $[[,]]$ upon receipt of the broadcast, wherein steps a), b), c), and d) are performed to validate the e-ticket and wherein step d) is repeated as long as S_i has not received its own broadcast and there is no server S_k in the second answer set such that the associated answer set is a subset of the second answer set.
2. (original) The method of claim 1 wherein step b) is performed until a majority of servers has answered.
3. (canceled)
4. (previously presented) The method of claim 1 further comprising the step of:
 - e) accepting the e-ticket if S_i receives its own broadcast and the answer set is a subset of the second answer set.
5. (previously presented) The method of claim 1 further comprising the step of:
 - d) rejecting the e-ticket if S_i has received its own broadcast and the answer set is not a subset of the second answer set.
6. (previously presented) A method of validating an e-ticket, comprising the steps of:

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- a) sending the e-ticket from an initial receiving server S_i to a plurality of servers including S_i , wherein each server returns an answer indicative of whether that server previously answered an inquiry for the e-ticket;
- b) collecting the identities of the answering servers in an answer set;
- c) broadcasting the e-ticket and the answer set to the plurality of servers, if at least one server previously answered an inquiry for the e-ticket;
- d) collecting the identity of any server S_k broadcasting the e-ticket and an associated answer set in a second answer set, upon receipt of the broadcast; and
- e) rejecting the e-ticket if the answer set is a subset of the second answer set and S_i has not received its own broadcast.

7. (original) The method of claim 1 wherein the e-ticket represents a prior reservation of goods or services.

8. (original) The method of claim 1 wherein the e-ticket contains no information specifically identifying the owner.

9. (original) The method of claim 1 wherein broadcasts are performed in accordance with a selected one of a pure atomic broadcast, a general broadcast, a CT-broadcast, and an OPT-broadcast protocol.

10. (currently amended) A method of validating an e-ticket, comprising the steps of:

- a) sending the e-ticket from an initial receiving server S_i to a plurality of servers including S_i , wherein each server returns an answer indicative of whether that server previously answered any inquiry for the e-ticket;
- b) selecting a conflict mode if at least one selected server of a majority of servers answered a previous inquiry for the e-ticket; and
- c) selecting a conflict-free mode if none of the majority of servers has answered any previous inquiry for the e-ticket, wherein steps a), b), and c) are performed to validate the e-ticket and wherein step b) further comprises the steps of:
 - i) broadcasting the e-ticket and the answer set to the plurality of servers; and

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ii) collecting the identity of any server S_k broadcasting the e-ticket and an associated answer set in a second answer set, upon receipt of the broadcast; and wherein step b) (ii) is repeated as long as S_i has not received its own broadcast and there is no server S_k in the second answer set such that the associated answer set \subseteq the second answer set in order to validate the e-ticket.

11. (original) The method of claim 10 wherein step c) further comprises the step of:

i) accepting the e-ticket.

12. (previously presented) The method of claim 10 further comprising the step of:

d) collecting the identities of the answering servers in an answer set.

13. (canceled)

14. (canceled)

15. (previously presented) The method of claim 10 further comprising the step of accepting the e-ticket if S_i receives its own broadcast and the answer set \subseteq the second answer set.

16. (previously presented) The method of claim 10 further comprising the step of rejecting the e-ticket if S_i has received its own broadcast and the answer set is not a subset of the second answer set.

17. (previously presented) The method of claim 10 further comprising the step of:

d) rejecting the e-ticket if the answer set \subseteq the second answer set and S_i has not received its own broadcast.

18. (original) The method of claim 10 wherein the e-ticket represents a prior reservation of goods or services.

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19. (original) The method of claim 13 wherein broadcasts are performed in accordance with a selected one of a pure atomic broadcast, a general broadcast, a CT-broadcast, and an OPT-broadcast protocol.